

**LISTING OF CLAIMS:**

Claims 1-16 (cancelled).

Claim 17 (previously presented): A method for manufacturing a double-walled heat exchange tube with a leak detection channel, the method comprising the steps of:

providing inner and outer tubes, with the outer tube having an inner surface and the inner tube having an outer surface, the inner tube being manufactured of a softer material than the material of the outer tube;

providing a surface profiling on at least one of the inner surface of the outer tube and the outer surface of the inner tube;

selectively providing at least one of the inner surface and said outer surface with a layer of soldering material;

expanding said inner tube such that the outer surface of the inner tube is in intimate contact with the inner surface of the outer tube and the surface profiling forms at least one leak detection channel between the two tubes;

expanding the inner tube such that the outer tube is expanded as well;

causing the layer of soldering material between the inner tube and the outer tube to be melted;

wherein the expansion of the outer tube is effected such that the molten solder is forced out between the inner tube and the outer tube into the leak detection channel.

Claim 18 (cancelled.)

Claim 19 (presently amended) The method in accordance with claim 17 wherein the surface profiling is carried out of such that it occupies ~~it~~at most 50% of a surface.

Claim 20 (presently amended) The method in accordance with claim 19 wherein the surface profiling is provided in the form of a ~~helico~~helical groove having a width of about 2mm and a pitch of about 4mm.

Claim 21 (previously presented) The method in accordance with claim 17 wherein the heating takes place by soldering a wire spiral wound helically on a surface of at least one of inner tube and outer tube.

Claim 22 (presently amended) The method according to claim 17, wherein the outer surface of the inner tube is coated with a layer of soldering material and is a surface profiling comprising at least one helically extending groove is provided.

Claim 23 (previously presented) The method in accordance with claim 17, wherein the outer surface of the inner tube is provided with a layer of soldering material and the inner surface of the outer tube is provided with a surface profiling in the form of longitudinally extending grooves.

Claim 24 (previously presented) The method in accordance with claim 17, wherein a silver weld is provided at a seam between the inner tube and the outer tube.

Claim 25 (presently amended) The method in accordance with claim 17 wherein at at least one of the ends of the assembly of the inner tube and the outer tube at least one of the inner surface of the inner tube and the ~~inner~~-outer surface of the outer tube is provided with an insulating coating of lacquer.

Claim 26 (previously presented): A heat exchange tube for use in a heat exchanger employing a liquid and comprising:

an assembly of an outer tube and an inner tube disposed internally to said outer tube and retained in an abutting position under a bias pressure, to form an inner face between said inner tube and said outer tube;

a leak detection channel extending adjacent said inner face;

a through opening extending through said outer tube at a position adjacent an end of said assembly of said inner tube and outer tube, said through opening being in communication with the leak detection channel; and

a film-thin layer formed of a soldering material disposed in contact with both the inner tube and the outer tube and wherein the inner tube and the outer tube are retained in abutting contact under the bias pressure.

Claim 27 (cancelled).

Claim 28 (presently amended): The heat exchange tube in accordance with claim 26 wherein at least one of the ends of said assembly is provided with an insulating

coating of lacquer ~~and on~~ at least one of the inner surface of the inner tube and the outer surface of the outer tube.

Claim 29 (previously presented): The heat exchange tube in accordance with claim 26, wherein one of the outer surface of the outer tube and the inner surface of the inner tube is provided with fin-shaped members.

Claim 30 (presently amended): The heat exchange tube in accordance with claim 26, wherein fin-shaped members are soldered on at least an outer surface of said outer tube and wherein the fin-shaped members comprise a wire spiral helically wound around the outer tube and soldered to the outer tube.

Claim 31 (previously presented): The heat exchange tube in accordance with claim 26, wherein a surface profiling measured on a surface of one of said tubes occupies at most 50% of said surface.

Claim 32 (presently amended): The method according to claim 26 wherein said surface profiling comprises a ~~helico~~-helical groove having a width of 2mm and a pitch of 4mm.